

What is Claimed is:

1. A docking frame for a cutting machine, comprising:

a docking station comprising a boundary frame having a docking socket for detachably receiving a bottom portion said cutting machine;

5 a locker device provided at said boundary frame for detachably locking said cutting machine at said boundary frame; and

a peripheral functional gear provided at said docking station as a supplemental implement for said cutting machine so as to enhance a workability of the cutting machine.

10 2. The docking frame, as recited in claim 1, wherein said peripheral functional gear comprises a retractable utility table slidably mounted within said docking socket at a position below said bottom portion of said cutting machine, wherein said boundary frame further has a side opening communicating with said docking socket such that said retractable utility table is adapted to slidably fold between a storage position and
15 a working position, wherein at said storage position, said retractable utility table is slidably received within said docking station, and at said working position, said retractable utility table is sidewardly slid out of said docking station through said side opening to form as a side working platform for said cutting machine.

20 3. The docking frame, as recited in claim 2, wherein said peripheral functional gear comprises a utility tools box mounted on a side of said boundary frame of said docking station for containing utility tools of said cutting machine.

25 4. The docking frame, as recited in claim 1, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a rear side thereof and a dolly handle frontwardly extended from said boundary frame in such a manner that said docking station is pivotally lifted up via said dolly handle for carrying said cutting machine on said docking frame via said wheel assemblies.

5 5. The docking frame, as recited in claim 2, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a rear side thereof and a dolly handle frontwardly extended from said boundary frame in such a manner that said docking station is pivotally lifted up via said dolly handle for carrying said cutting machine on said docking frame via said wheel assemblies.

10 6. The docking frame, as recited in claim 3, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a rear side thereof and a dolly handle frontwardly extended from said boundary frame in such a manner that said docking station is pivotally lifted up via said dolly handle for carrying said cutting machine on said docking frame via said wheel assemblies.

15 7. The docking frame, as recited in claim 1, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame for supporting said cutting machine thereon.

20 8. The docking frame, as recited in claim 4, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame for supporting said cutting machine thereon.

30 9. The docking frame, as recited in claim 6, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing

leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame for supporting said cutting machine thereon.

5 10. The docking frame, as recited in claim 7, wherein said foldable leg frame further comprises two table wheels rotatably mounted at two bottom ends of said second standing legs respectively and two ground stabilizers affixed to two bottom ends of said first standing legs respectively, so as to enhance a mobility of said table frame.

10 11. The docking frame, as recited in claim 8, wherein said foldable leg frame further comprises two table wheels rotatably mounted at two bottom ends of said second standing legs respectively and two ground stabilizers affixed to two bottom ends of said first standing legs respectively, so as to enhance a mobility of said table frame.

15 12. The docking frame, as recited in claim 9, wherein said foldable leg frame further comprises two table wheels rotatably mounted at two bottom ends of said second standing legs respectively and two ground stabilizers affixed to two bottom ends of said first standing legs respectively, so as to enhance a mobility of said table frame.

13. A cutting machine, comprising:

a main frame;

a cutting table slidably supported on said main frame;

20 a cutting head having a cutting blade overhangingly supported above said cutting table; and

a power device electrically connected to said cutting head to drive said cutting blade to rotate, and

a docking frame, which comprises:

25 a docking station comprising a boundary frame having a docking socket to detachably receive a bottom portion of said main frame of said cutting machine;

a locker device provided at said boundary frame for detachably locking said main frame of said cutting machine at said boundary frame; and

5 a peripheral functional gear provided at said docking station as a supplemental implement for said cutting machine so as to enhance a workability of said cutting machine.

10 14. The cutting machine, as recited in claim 13, wherein said peripheral functional gear comprises a retractable utility table slidably mounted within said docking socket at a position below said bottom portion of said cutting machine, wherein said boundary frame further has a side opening communicating with said docking socket such that said retractable utility table is adapted to slidably fold between a storage position and a working position, wherein at said storage position, said retractable utility table is slidably received within said docking station, and at said working position, said retractable utility table is sidewardly slid out of said docking station through said side opening to form as a side working platform for said cutting machine.

15 15. The cutting machine, as recited in claim 14, wherein said peripheral functional gear comprises a utility tools box mounted on a side of said boundary frame of said docking station for containing utility tools of said cutting machine.

20 16. The cutting machine, as recited in claim 13, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a position below said cutting head and a dolly handle frontwardly extended from said boundary frame at a position below said cutting table in such a manner that said docking station is pivotally lifted up via said dolly handle to carry said cutting machine on said docking frame via said wheel assemblies.

25 17. The cutting machine, as recited in claim 15, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a position below said cutting head and a dolly handle frontwardly extended from said boundary frame at a position below said cutting table in such a manner that said docking station is pivotally
30 lifted up via said dolly handle to carry said cutting machine on said docking frame via said wheel assemblies.

18. The cutting machine, as recited in claim 13, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.

19. The cutting machine, as recited in claim 15, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.

20. The cutting machine, as recited in claim 17, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.

21. A cutting machine, comprising:

a main frame;

a cutting table slidably supported on said main frame;

a cutting head having a cutting blade overhangingly supported above said cutting table; and

a power device electrically connected to said cutting head to drive said cutting blade to rotate, and

a docking frame, which comprises:

5 a docking station comprising a boundary frame having a docking socket, wherein said main frame of said cutting machine is securely mounted on said docking station while a bottom portion of said main frame is received within said docking socket; and

10 a peripheral functional gear provided at said docking station as a supplemental implement for said cutting machine so as to enhance a workability of said cutting machine.

15 22. The cutting machine, as recited in claim 21, wherein said peripheral functional gear comprises a retractable utility table slidably mounted within said docking socket at a position below said bottom portion of said cutting machine, wherein said boundary frame further has a side opening communicating with said docking socket such that said retractable utility table is adapted to slidably fold between a storage position and a working position, wherein at said storage position, said retractable utility table is slidably received within said docking station, and at said working position, said retractable utility table is sidewardly slid out of said docking station through said side opening to form as a side working platform for said cutting machine.

20 23. The cutting machine, as recited in claim 22, wherein said peripheral functional gear comprises a utility tools box mounted on a side of said boundary frame of said docking station for containing utility tools of said cutting machine.

25 24. The cutting machine, as recited in claim 21, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a position below said cutting head and a dolly handle frontwardly extended from said boundary frame at a position below said cutting table in such a manner that said docking station is pivotally lifted up via said dolly handle to carry said cutting machine on said docking frame via said wheel assemblies.

25. The cutting machine, as recited in claim 23, wherein said peripheral functional gear comprises a dolly frame comprising two wheel assemblies rotatably and spacedly mounted at a bottom portion of said boundary frame at a position below said cutting head and a dolly handle frontwardly extended from said boundary frame at a position below said cutting table in such a manner that said docking station is pivotally lifted up via said dolly handle to carry said cutting machine on said docking frame via said wheel assemblies.

26. The cutting machine, as recited in claim 21, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.

27. The cutting machine, as recited in claim 23, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.

28. The cutting machine, as recited in claim 25, wherein said peripheral functional gear comprises a foldable leg frame detachably connected to said docking station to form said docking station as a table frame, wherein said foldable leg frame comprises two pairs of frame legs each having a first standing leg and a second standing leg pivotally connected with each other in a cross manner to form a pivotal 'X' structure, wherein four upper ends of said first and second standing legs are detachably attached to a bottom side of said docking station so as to form said table frame to support said cutting machine thereon.